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 and searchable
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 CA/Caplus
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 NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded
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 NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN
 NEWS 10 MAR 29 WPIFV now available on STN
 NEWS 11 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA
 NEWS 12 APR 26 PROMT: New display field available
 NEWS 13 APR 26 IFIPAT/IFIUDB/IFICDB: New super search and display field
 available
 NEWS 14 APR 26 LITAlert now available on STN
 NEWS 15 APR 27 NLDB: New search and display fields available
 NEWS 16 May 10 PROUSDDR now available on STN
 NEWS 17 May 10 PROUSDDR: One FREE connect hour, per account, in both May
 and June 2004

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 MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
 AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
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FILE COVERS 1907 - 11 May 2004 VOL 140 ISS 20
FILE LAST UPDATED: 10 May 2004 (20040510/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s copolymer bead? and talc

524448 COPOLYMER

57472 BEAD?

1062 COPOLYMER BEAD?

(COPOLYMER(W) BEAD?)

36935 TALC

L1 6 COPOLYMER BEAD? AND TALC

=> d ll 1-6

L1 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

AN 2003:737346 CAPLUS

DN 139:247788

TI Drilling fluid additive system containing talc and cellulose

IN Rayborn, Jerry

PA USA

SO U.S. Pat. Appl. Publ., 12 pp., Cont.-in-part of U.S. Ser. No. 90,201.
CODEN: USXXCO

DT Patent

LA English

FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003176292	A1	20030918	US 2002-196266	20020717
	US 2003176289	A1	20030918	US 2002-90201	20020305
PRAI	US 2002-90201	A2	20020305		

L1 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

AN 2003:737345 CAPLUS

DN 139:247787

TI Drilling fluid additive system containing talc and a carrier

IN Rayborn, Jerry

PA USA

SO U.S. Pat. Appl. Publ., 11 pp., Cont.-in-part of U.S. Ser. No. 90,201.
CODEN: USXXCO

DT Patent

LA English

FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003176291	A1	20030918	US 2002-196265	20020717
	US 2003176289	A1	20030918	US 2002-90201	20020305
	US 2004058826	A1	20040325	US 2003-667415	20030923
PRAI	US 2002-90201	A2	20020305		
	US 2002-196265	A2	20020717		

L1 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

AN 2003:737344 CAPLUS

DN 139:247786

TI Water-based drilling fluid additive containing talc and carrier

IN Rayborn, Jerry
 PA USA
 SO U.S. Pat. Appl. Publ., 11 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003176289	A1	20030918	US 2002-90201	20020305
	US 2003176290	A1	20030918	US 2002-196264	20020717
	US 2003176291	A1	20030918	US 2002-196265	20020717
	US 2003176292	A1	20030918	US 2002-196266	20020717
	US 2004058825	A1	20040325	US 2003-667319	20030923
PRAI	US 2002-90201	A1	20020305		

L1 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing
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AN 1987:143819 CAPLUS
 DN 106:143819
 TI Dry powder cosmetic composition with sustained release of oily liquid
 IN Brown, Wallace H.; Vandenberg, John T.; Dachniwskyj, Maryam L.
 PA DeSoto, Inc., USA
 SO Eur. Pat. Appl., 15 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 210561	A2	19870204	EP 1986-109941	19860719
	EP 210561	A3	19880210		
	R: BE, DE, FR, GB, IT, NL, SE				
	AU 8660212	A1	19870129	AU 1986-60212	19860716
	JP 62065740	A2	19870325	JP 1986-171000	19860722
PRAI	US 1985-757252		19850722		

L1 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing
References

AN 1970:22651 CAPLUS
 DN 72:22651
 TI Particle-size reduction of nonlamellar minerals
 IN Sennett, Paul S.; Turner, Kenneth Lamar; Morris, Horton Howard
 PA Freeport Sulphur Co.
 SO U.S., 5 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3476576	A	19691104	US 1967-611836	19670126
PRAI	US 1967-611836		19670126		

L1 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing
References

AN 1969:90702 CAPLUS
 DN 70:90702
 TI Crosslinked vinyl polymer microbeads in cosmetic powders
 IN Smith, Robert Lewis; Woodford, Gerald
 PA Permutit Co. Ltd.
 SO Brit., 6 pp.
 CODEN: BRXXAA
 DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 1141994		19690205	GB	19660207

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L1 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

Citing
References

AB An oily liq. or emollient is incorporated into substantially dry preformed vesiculated beads of crosslinked resin to give a dry powder compn., which is applied to the skin in a thin layer and the oily liq. is slowly released. Propylene glycol-maleic anhydride-phthalic anhydride copolymer was dissolved in styrene with the aid of surfactants and protective colloids, and copolymerized in the presence of a quaternary ammonium compd. to cause vesicles. The resulting beads were washed with water to obtain water-contg. beads substantially free of agglomerating adhesive agents. The beads were dried by spreading them on a tray and passing warm air at ~110°F thereover. The dried beads 24.96 lb and mineral oil 19.12 lb were mixed until a uniform dry crumbly paste was formed. This paste had a silky feel and was rubbed onto the skin to provide an emollient effect.

L1 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

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References

AB Slurries contg. nonlamellar minerals, such as talc or CaCO₃, are milled vigorously in the presence of 40-60% by wt. of particles of a nonabrasive resilient grinding medium, such as nylon, polyethylene, or a styrene-divinylbenzene copolymer/nylon combination, to cause a size redn. of the nonlamellar material to a diam. of, e.g., <2 μ. These reduced particles are then very useful as extenders and pigments in paints and other products without affecting the pigment brightness. Thus, Ruby 400 B talc 1 lb 4 oz was slurried with H₂O at 20% solids and then mixed with 18-50 mesh styrene-divinylbenzene copolymer beads (bead concn. in the slurry 50% by vol.). The mixt. was agitated for 1 hr with a cross-arm impeller, as the temp. of the batch rose to 78-130°F, and then screened through a 200-mesh screen to remove the plastic beads. After sedimentation, the fine fraction of the talc along with that obtained from the milling step was recovered by filtration and drying; 75.5% of the recovered materials had a particle size <2 μ in comparison with conventionally treated materials which had only 26.5% <2 μ. When incorporated in a paint system, the milled sample had a higher contrast ratio (98.9) than the untreated sample (92.8) and therefore gave this paint sample greater substrate hiding ability. Also, the milled sample gave an increase in gloss when used to prep. paper coatings. In another example, a limestone sample was slurried in H₂O at 40% solids with 0.5% Na₄P₂O₇ as a dispersant. Cylindrical nylon pellets of 0.1 in. diam. and 0.1 in. length were added to give a total of 5 parts by wt. ground limestone. The mixt. was agitated by shaking on a paint shaker for 3 hr in a polyethylene container. The ground limestone was recovered by filtration and drying. Both the untreated and treated limestones were incorporated into a paper coating compn. contg. 16.5 parts by wt. casein adhesive per 100 parts limestone. The viscosity of the treated limestone at a 74%-solids slurry gave a Stormer viscosity of 39 sec, while the untreated sample gave a Stormer viscosity of 13 sec at a solids slurry concn. of 60%. A 65%-solids slurry of the untreated sample was too viscous to measure. When applied as a coating on paper, the treated limestone product also gave a higher gloss value.

L1 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

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References

AB Inert, hydrophobic microbeads of 3-15 μ diam. are prepd. by the suspension polymn. of styrene (I) with divinylbenzene (II) and were used in the prepn. of cosmetic powders. The smooth beads are used to replace **talc**. Thus, a monomer mixt. contg. 96% I and 4% II was suspension polymd. to give microbeads which were mixed with 5% Mg stearate. This mixt. was used at 80% concn. in a light face powder compn. contg. 10% rice starch, 5% ZnO, and 5% Zn stearate. Face powders and baby powders were prepd. contg. pptd. chalk, corn starch, and boric acid. Glycerol monostearate, glycerol, and H₂O were used in a powder cream compn. and kaolin, tertbutyl-m- and -p-cresols, and hexachlorophene in antiseptic foot powders. The **copolymer beads** may contain a 3rd monomer such as 2-hydroxyethyl acrylate, methacrylic acid, 2-aminoethyl acrylate, acrylonitrile, acrylamide, or Et acrylate.

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L Number	Hits	Search Text	DB	Time stamp
53	54	(copolymer adj bead) and talc	USPAT; US-PGPUB; EPO; DERWENT	2004/05/11 12:00
54	6	(copolymer adj bead) and talc	USOCR	2004/05/11 12:00